Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/13/2018 10:41 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125180	0	1.43	125043	1.37
Blue	F	SSC	125000	122604	-2	3.20	122879	3.05
Blue	E	FITC	23615	22802	-4	2.70	1019	10.94
Blue	D	PE	26739	26518	-1	2.10	955	10.43
Blue	B	PerCP-Cy5-5	48339	47363	-3	3.60	1364	18.39
Blue	A	PE-Cy7	45021	44596	-1	5.46	690	38.36
Red	C	APC	53064	52150	-2	2.76	2980	9.65
Red	A	APC-Cy7	57175	56721	-1	2.75	1181	11.52
Violet	B	V450	14728	14135	-5	5.61	675	10.28
Violet	A	V500	58621	57098	-3	5.53	2523	7.52

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19429	2.85	617	3	N/A	N/A	Pass
Blue	F	SSC	60753	1.57	563	17	N/A	N/A	Pass
Blue	E	FITC	114	41.86	553	5	0.0183	207	Pass
Blue	D	PE	208	31.57	545	9	0.1454	280	Pass
Blue	B	PerCP-Cy5-5	210	49.11	643	8	0.0084	86	Pass
Blue	A	PE-Cy7	72	131.79	701	8	0.0101	16	Pass
Red	C	APC	342	28.65	601	4	0.0196	72	Pass
Red	A	APC-Cy7	128	42.74	584	4	0.0052	1867	Pass
Violet	B	V450	82	49.42	466	-4	0.0467	3037	Pass
Violet	A	V500	184	28.24	493	-4	0.0162	2328	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.77	-31.37	0.98
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.34
Red	16.83	14.40 - 21.60	N/A	N/A	31.15	31.58	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9621

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments